DRAFT

Test strategy:

Component testing

Integration testing scenarios

Component testing:

1. Test Web Service components - All methods

2. Test Database components - All stored procedures

3. Test ability to connect to UDDI

4. Test ability to publish changes [changeAddress()]

5. Test queryAddress() function

6. Test getAddress() function

7. Test all functions using Client application

8. Verify logs are populated with changes

9. Ensure that no recursion occurs

Integration testing Scenarios:

1. Developers on the team will perform unit testing. Minimal "after the fact" documentation. Process described above.

2. Ability to connect to UDDI and retrieve subscriber information. Web page to show the current information retrieved from UDDI server.

3. Customer changes address at DMV

a.   Address at DMV was actually changed

b.   The address is propagated to the subscriber list from UDDI.

c.   Each subscriber confirms the receipt of the change.

d.   Log results from address changes push (true/false/SOAP error)

4.   DMV receives and address change from remote system

a.   Apply change. Ensure that the change was successful

b.   Ensure that the change is not propagated to the subscriber list.

5.   Run getAddress() for core set of data

a.   Must receive address information from all subscriber systems

6.   Run getAddress() for data unique to the team

a.   Get no information back if the address has never been propagated

b.   Get information if address was previously propagated and was stored in remote system.

7.   Run queryAddress() for specific sets of data on remote systems

a.   Propagate 10 address changes to all subscribers with DMV as the originator.

b.   Query all subscribers for date range of above changes with DMV as originator.

c.   Should get back all 10 changes from all subscribers with the original address change information.

8.   queryAddress() from another system

a.   receive request

b.   Retrieve address logs between dates for specified originator.

Some questions:

1.   Do we test failover scenarios?

2.   What to do if the same address change is originated by a customer/citizen on two different sites that is interconnected with an address change web service in the background?